

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claim 1 (Previously presented): A camera operation apparatus for operating a camera via a network, comprising:

a storage device for storing at least one module for generating a control command for the camera in accordance with each kind of camera;

a recognition device for recognizing information associated with a kind of camera subject to control;

a selection device for selecting a module for generating the control command for the camera from said at least one module, on the basis of the information associated with the kind of camera recognized by said recognition device; and

a module request device, connected to the network, for requesting through the network, transmission of the module corresponding to the kind of camera recognized by said recognition device to a device having the module corresponding to the kind of camera recognized by said recognition device, when said camera operation apparatus has no module corresponding to the kind of camera recognized by said recognition device.

Claim 2 (Previously presented): An apparatus according to claim 1, further comprising:

a control right request device to requesting a control right for the camera to a camera server executing control of the camera,

wherein the information associated with the kind of camera is attached to a control right obtaining notice for the camera notified from the camera server in response to a request to the control right for the camera by said control right request device.

Claim 3 (Previously presented): An apparatus according to claim 1, further comprising:

a display device for displaying a window for operating the camera, on the basis of the module selected by said selection device,

wherein said display device changes at least display contents for operation in said window in accordance with a kind of camera.

Claim 4 (Original): An apparatus according to claim 1, wherein said camera operation apparatus allows at least one of panning and tilting operations of the camera.

Claim 5 (Previously presented): A camera operation apparatus for operating a camera via a network, comprising:

a storage device for storing at least one module for generating a control command for the camera in accordance with each kind of camera;

a recognition device for recognizing information associated with a kind of camera subject to control;

a selection device for automatically selecting a module for generating the control command for the camera from said at least one module, on the basis of the information associated with the kind of camera recognized by said recognition device; and

a display device for displaying a window for operating the camera, on the basis of the module selected by said selection device,

wherein said display device changes at least display contents for operation in said window in accordance with a kind of functions the camera can perform.

Claim 6 (Original): An apparatus according to claim 5, wherein said camera operation apparatus allows at least one of panning and tilting operations of the camera.

Claims 7-8 (Cancelled).

Claim 9 (Original): A camera operation method of operating a camera via a network, comprising the steps of:

storing at least one module for generating a control command for the camera in accordance with each kind of camera;

recognizing information associated with a kind of camera subject to control;

selecting a module for generating the control command for the camera from said at least one module, on the basis of the information associated with the kind of camera recognized in the recognizing step; and

requesting through the network, transmission of the module corresponding to the kind of camera recognized in the recognizing step to a device having the module corresponding to the kind of camera recognized in the recognizing step, when there is no module corresponding to the kind of camera recognized in the recognizing step.

Claim 10 (Original): A method according to claim 9, further comprising the step of:

requesting a control right for the camera to a camera server executing control of the camera,

wherein the information associated with the kind of camera is attached to a control right obtaining notice for the camera notified from the camera server in response to a request to the control right for the camera in the requesting step.

Claim 11 (Original): A method according to claim 9, further comprising the step of:

displaying a window for operating the camera, on the basis of the module selected in the selecting step,

wherein said displaying step changes at least display contents for operation in said window in accordance with a kind of camera.

Claim 12 (Original): A method according to claim 9, wherein said camera operation method allows at least one of panning and tilting operations of the camera.

Claim 13 (Previously presented): A camera operation method of operating a camera via a network, comprising the steps of:

storing at least one module for generating a control command for the camera in accordance with each kind of camera;

recognizing information associated with a kind of camera subject to a control;

selecting automatically a module for generating the control command for the camera from said at least one module, on the basis of the information associated with the kind of camera recognized in the recognizing step; and

displaying a window for operating the camera, on the basis of the module selected in the selecting step,

wherein said displaying step changes at least display contents for operation said window in accordance with a kind of functions the camera can perform.

Claim 14 (Original): A method according to claim 13, wherein said camera operation method allows at least one of panning and tilting operations of the camera.

Claims 15-16 (Cancelled).

Claim 17 (Previously presented): A storage medium for storing a computer-readable program for executing a camera operation processing comprising the steps of:

storing at least one module for generating a control command for a camera in accordance with each kind of camera;

recognizing information associated with a kind of camera subject to control;

selecting a module for generating the control command for the camera from said at least one module, on the basis of the information associated with the kind of camera recognized in the recognizing step; and

requesting through a network, transmission of the module corresponding to the kind of camera recognized in the recognizing step to a device having the module corresponding to the kind of camera recognized in the recognizing step when there is no module corresponding to the kind of camera recognized in the recognizing step.

Claim 18 (Original): A medium according to claim 17, wherein the processing further comprises the step of:

requesting a control right for the camera to a camera server executing control of the camera,

wherein the information associated with the kind of camera is attached to a control right obtaining notice for the camera notified from the camera server in response to a request to the control right for the camera in the requesting step.

Claim 19 (Previously presented): A medium according to claim 17, wherein the processing further comprises the step of:

displaying a window for operating the camera, on the basis of the module selected in the selecting step,

wherein said display step includes changing display contents for operation on at least the window in accordance with a kind of camera.

Claim 20 (Original): A medium according to claim 17, wherein the processing allows at least one of panning and tilting operations of the camera.

Claim 21 (Previously presented): A storage medium for storing a computer-readable program for executing a camera operation processing comprising the steps of:

storing at least one module for generating a control command for a camera in accordance with each kind of camera;

recognizing information associated with a kind of camera subject to control;

selecting automatically a module for generating the control command for the camera from said at least one module, on the basis of the information associated with the kind of camera recognized in the recognizing step; and

displaying a window for operating the camera, on the basis of the module selected in the selecting step;

wherein said displaying step changes at least display contents for operation in said window in accordance with a kind of functions the camera can perform.

Claim 22 (Original): A medium according to claim 21, wherein the processing allows at least one of panning and tilting operations of the camera.

Claims 23-24 (Cancelled).

Claim 25 (Previously presented): A camera server for controlling a camera on the basis of a control instruction received from a camera operation apparatus via a network, comprising:

a storage device for storing at least one module for controlling the camera in accordance with each kind of camera;

a selection device for selecting a module for controlling the camera from said at least one module; and

a module request device for requesting through the network, transmission of the module corresponding to the kind of current camera connected with said camera server, when no module corresponding to the kind of current connected camera is stored by said storage device.

Claim 26 (Previously presented): A camera server according to claim 25, wherein the control instruction is at least one of panning, tilting and zooming operations of the camera.

Claim 27 (Previously presented): A camera server according to claim 25, wherein when the transmission of the module is achieved, the restart-up of said camera server is performed.

Claim 28 (Currently amended): A method of controlling a camera server for controlling a camera on the basis of a control instruction received from a camera operation apparatus via a network, comprising the steps of:

storing at least one module for controlling the camera in accordance with each kind of camera;

selecting a module for controlling the camera from said at least one module; and

requesting through the network, transmission of the module corresponding to the kind of current camera connected with said camera server, when no module corresponding to the kind of current connected camera is stored ~~by said storage device~~ in said storing step.

Claim 29 (Previously presented): A method according to claim 28, wherein the control instruction is at least one of panning, tilting and zooming operations of the camera.

Claim 30 (Previously presented): A method according to claim 28, wherein when the transmission of the module is achieved, the restart-up of said camera server is performed.

Claim 31 (Previously presented): A storage medium for storing a computer-readable program for executing a method of controlling a camera server for controlling a camera on the basis of a

control instruction received from a camera operation apparatus via a network, said method comprising the steps of:

storing at least one module for controlling the camera in accordance with each kind of camera;

selecting a module for controlling the camera from said at least one module; and

requesting through the network, transmission of the module corresponding to the kind of current camera connected with said camera server, when no module corresponding to the kind of current connected camera is stored ~~by said storage device~~ in said storing step.

Claim 32 (Previously presented): A storage medium according to claim 31, wherein the control instruction is at least one of panning, tilting and zooming operations of the camera.

Claim 33 (Previously presented): A storage medium according to claim 31, wherein when the transmission of the module is achieved, the restart-up of said camera server is performed.